

product **AS09 560**

### Urease, Biotin conjugated

#### product information

<b>background</b>	<b>Urease</b> (EC=3.5.1.5) is an enzyme involved in nitrogen metabolism. It catalyzes the hydrolysis of urea into carbon dioxide and ammonia.
<b>immunogen</b>	urease isolated and purified from <i>Canavalia ensiformis</i> (common jack-beans)
<b>antibody format</b>	rabbit polyclonal purified IgG in phosphate buffer saline, lyophilized
<b>quantity</b>	1 ml for reconstitution please add 1 ml of sterile distilled water.
<b>storage</b>	store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
<b>tested applications</b>	western blot (WB), ELISA (ELISA), immunofluorescence (IF), immunohistochemistry (IHC)
<b>additional information</b>	Antibody is labelled with biotin using N-hydroxysuccinimidobiotin. Antibody potency and purity has been evaluated by immunoelectrophoresis, single radial immunodiffusion (Ouchterlony), ELISA, immunoblotting and enzyme inhibition.

#### application information

<b>recommended dilution</b>	1: 1000 - 1: 30 000 for techniques listed above
<b>expected   apparent MW</b>	91 kDa
<b>confirmed reactivity</b>	<i>Canavalia ensiformis</i> (common jack-bean)
<b>predicted reactivity</b>	dicots including: <i>Arabidopsis thaliana</i> , <i>Glycine max</i> , <i>Ricinus communis</i>
<b>not reactive in</b>	no confirmed exceptions from predicted reactivity known in the moment
<b>additional information</b>	Biotin/IgG protein molar ration is approximately 6.2. No foreign proteins are added.
<b>selected references</b>	to be added when available